**Design Diagram Level I**

Information from the dive master/ store on phone

All the dive logs that needed signing are signed

Diver scans with phone the QR Code

Unix Server that generates QR Code

Info sent

QR Code Created

Scans

Signature generated

**Description:**

Design Diagram Level One shown above, represents the highest level of abstraction for this project. The components of this diagram are the Dive master/store putting information on app using phone, the information being sent to Unix server, the server generating a QR code, the regular diver scanning the QR code with phone, and all the dive logs that need the signature being updated with the signature. The app that will be used will have a section for dive masters and regular divers. The Unix server will hold the information of the dive master for future use as well as using that information for QR code generation. The diver can scan the QR code with camera on the phone given it is a smart phone. Which finally signs the dive logs. There is an example of a dive log in the documentation for what a dive log is as a lot of dive cards can be generated in one vacation.